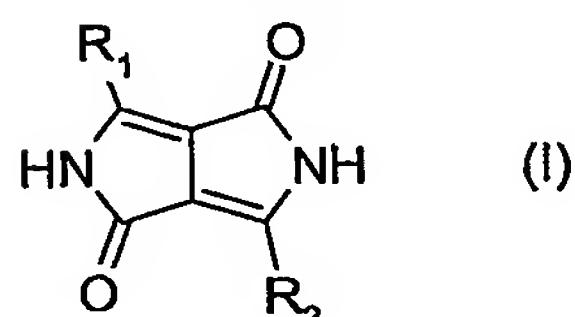


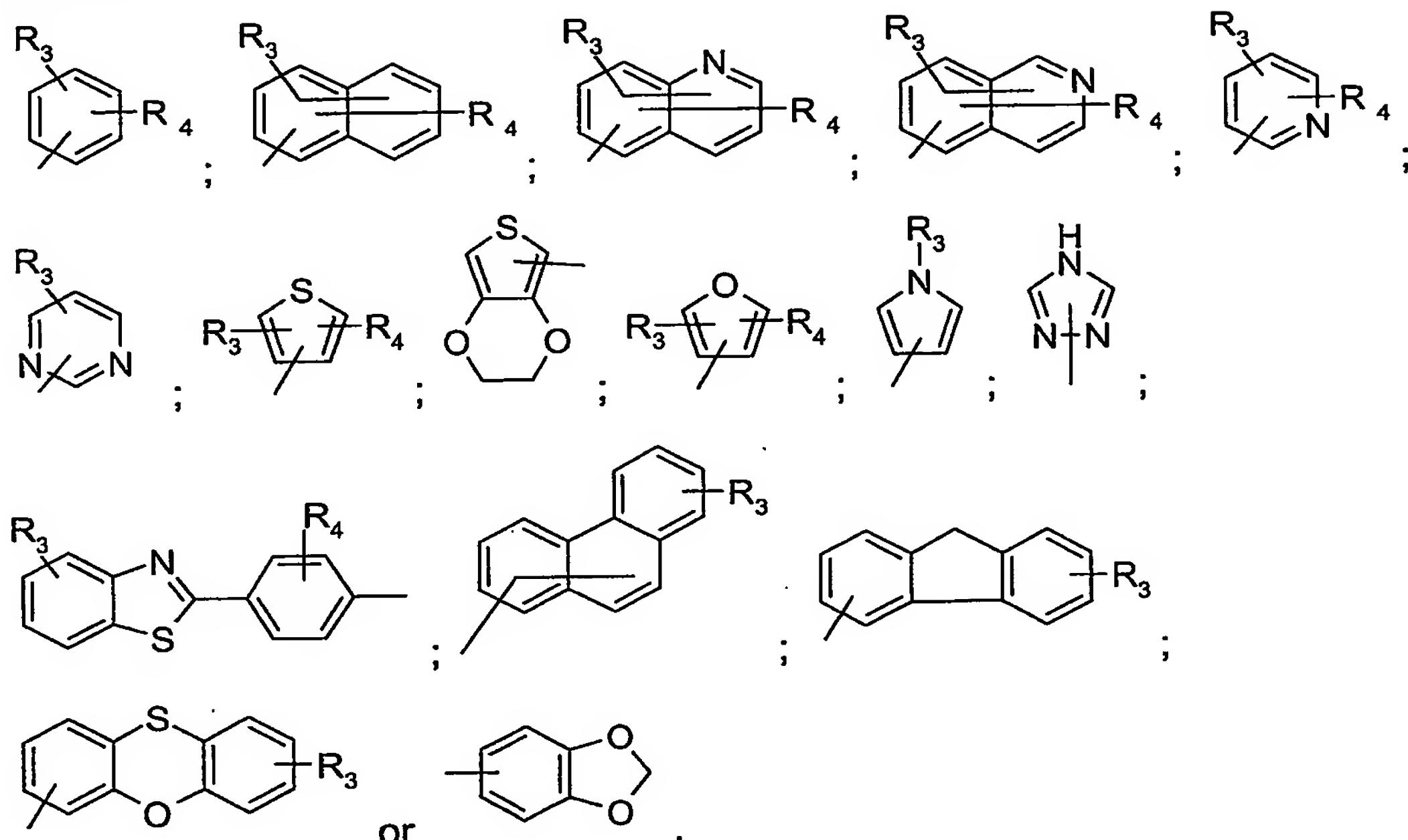
CLAIMS

1. A cosmetic formulation comprising at least one pigment of formula (I)



5 wherein

R_1 signifies



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wherein

R_3 and R_4 independently from each other signify hydrogen; cyano; halogen; CF_3 ; NH_2 ; NR_5R_6 ; NR_5COR_5 ; $COOR_5$; $CONR_5R_6$; OR_6 ; $OCOR_5$; SR_5 ; SOR_5 ; SO_2R_5 ; $SO_2NR_5R_6$; SO_2OR_5 ; CHO; $Si(R_5)_3$; SO_3M ; linear or branched C_1-C_{30} alkyl, which can be unsubstituted or substituted by one or more halogen, OH, OR_5 , SR_5 , NH_2 , NR_5R_6 , $COOR_5$, $CONR_5R_6$, $OCOR_5$ or SO_3M ; linear or branched C_0-C_{30} alkylene C_3-C_{12} cycloalkyl, which can be unsubstituted or substituted by one or more halogen, OH, OR_5 , SR_5 , NH_2 , NR_5R_6 , $COOR_5$, $CONR_5R_6$, $OCOR_5$ or SO_3M ; linear or branched C_3-C_{30} alkenylene- C_3-C_{12} cycloalkyl, which can be unsubstituted or substituted by one or more halogen, OH, OR_5 , SR_5 , NH_2 , NR_5R_6 , $COOR_5$, $CONR_5R_6$, $OCOR_5$ or SO_3M ; linear or branched C_3-C_{30} alkenyl, which can be unsubstituted or substituted

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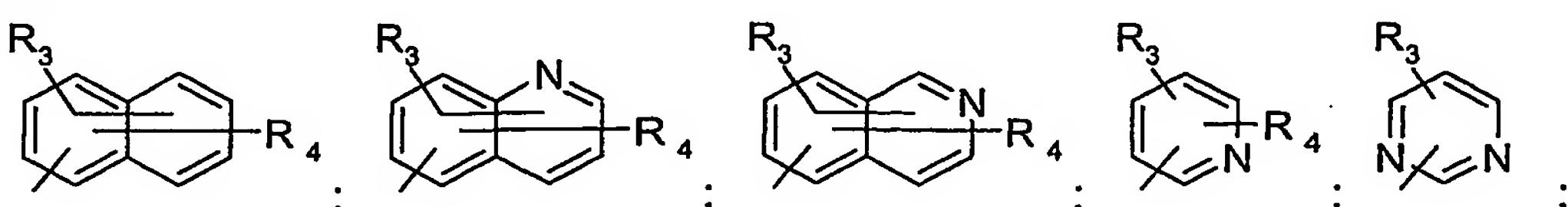
by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, OCOR₅ or SO₃M; linear or branched C₀-C₃₀alkyleneC₃-C₁₂cycloalkenyl, which can be unsubstituted or substituted by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, OCOR₅ or SO₃M; linear or branched C₃-C₃₀alkenylene-C₃-C₁₂cycloalkenyl, which can be unsubstituted or substituted by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, OCOR₅ or SO₃M; phenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₁-C₆alkoxy, halogen, cyano or formyl; linear or branched C₇-C₂₄aralkyl, which can be unsubstituted or substituted by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, OCOR₅ or SO₃M; or linear or branched C₈-C₂₄aralkenyl, which can be unsubstituted or substituted by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, OCOR₅ or SO₃M,

wherein

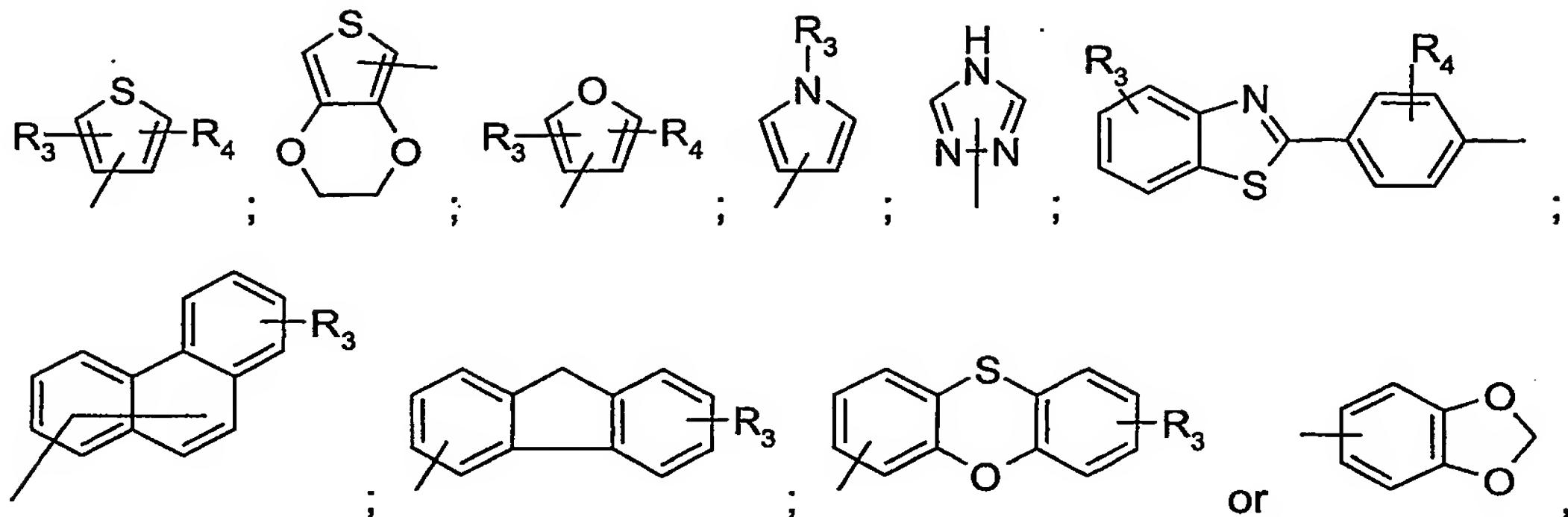
15 R₅ signifies hydrogen; linear or branched C₁-C₃₀alkyl; C₃-C₃₀-alkenyl; C₃-C₁₂cycloalkyl; C₆-C₁₄aryl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen; C₇-C₂₄aralkyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen or C₈-C₂₄aralkenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen,

20 R₆ signifies linear or branched C₁-C₃₀alkyl; C₃-C₃₀-alkenyl; C₃-C₁₂cycloalkyl; C₆-C₁₄aryl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen; C₇-C₂₄aralkyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen or C₈-C₂₄aralkenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl, C₁-C₆alkoxy, C₁-C₆thioalkyl or halogen and

25 M signifies hydrogen; a metal; or an unsubstituted or substituted ammonium group,
30 R₂ signifies



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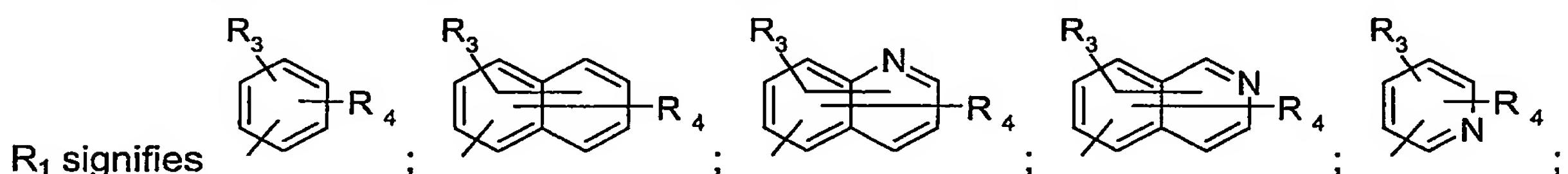
wherein R₃ and R₄ have the same meanings as defined above,
wherein the pigments have a specific surface area (BET) of 6 – 200 m²/g.

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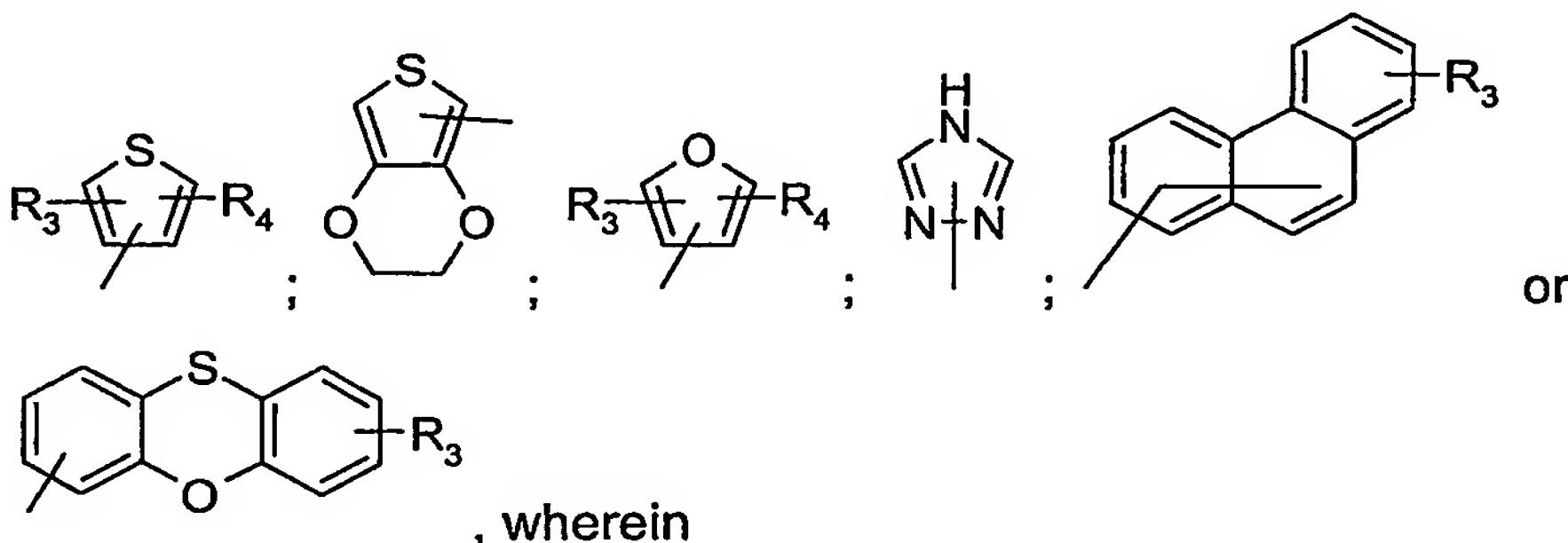
2. A cosmetic formulation according to Claim 1, wherein the pigments have a specific surface area (BET) of 8 – 170 m²/g.

- 10 3. A cosmetic formulation according to Claim 1, wherein the pigments have a specific surface area (BET) of 10 – 150 m²/g.

4. A cosmetic formulation according to any one of Claims 1 - 3, wherein



15



R₃ and R₄ have the meaning as defined in Claim 1.

5. A cosmetic formulation according to Claim 4 wherein
R₃ and R₄ independently from each other signify hydrogen; cyano; halogen; CF₃; SR₅; SOR₅; SO₂R₅; SO₂NR₅R₆; NR₅R₆; COOR₅; CONR₅R₆; OCOR₅; linear or branched C₁-C₁₈alkyl, which can be unsubstituted or substituted by one or more OR₅, SR₅,

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NR₅R₆ or COOR₅; linear or branched C₀-C₂₄alkyleneC₃-C₈cycloalkyl, which can be unsubstituted or substituted by one or more OR₅, SR₅, NR₅R₆ or COOR₅; linear or branched C₃-C₂₄alkenyleneC₃-C₈cycloalkyl, which can be unsubstituted or substituted by one or more OR₅, SR₅, NR₅R₆ or COOR₅; linear or branched C₃-C₂₄alkenyl, which can be unsubstituted or substituted by one or more OR₅, SR₅, NR₅R₆ or COOR₅; linear or branched C₀-C₂₄alkyleneC₃-C₈cycloalkenyl, which can be unsubstituted or substituted by one or more OR₅, SR₅, NR₅R₆ or COOR₅; linear or branched C₃-C₂₄alkenylene-C₃-C₈cycloalkenyl, which can be unsubstituted or substituted by one or more OR₅, SR₅, NR₅R₆ or COOR₅; phenyl, which can be unsubstituted or substituted by one or more methyl, methoxy or cyano; or linear or branched C₁-C₁₈alkoxy, which can be unsubstituted or substituted by one or more halogen, OH, OR₅, SR₅, NH₂, NR₅R₆, COOR₅, CONR₅R₆, or OCOR₅,

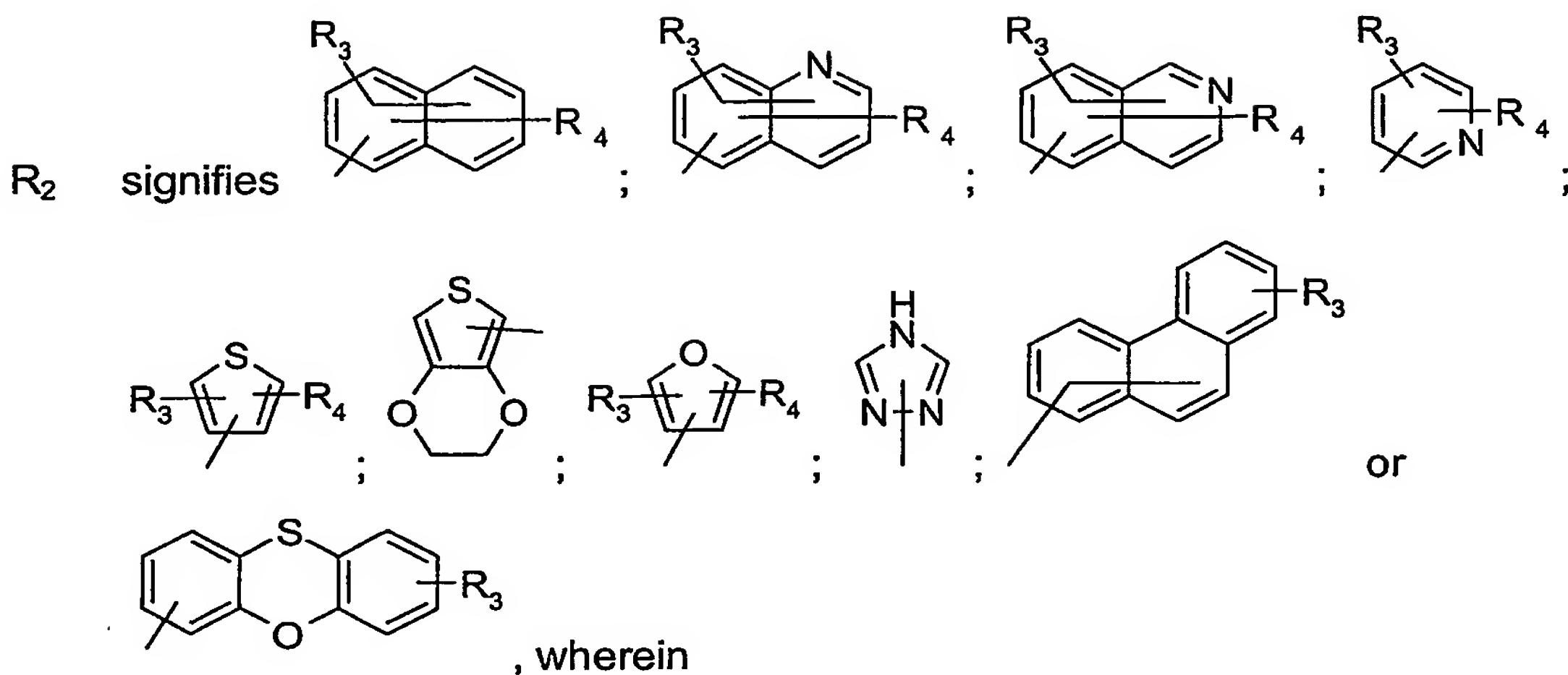
wherein

R₅ signifies hydrogen; linear or branched C₁-C₁₈alkyl; C₃-C₁₈alkenyl; C₃-C₈cycloalkyl; C₆-C₁₀aryl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; C₇-C₈aralkyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; or C₈-C₁₂aralkenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy,

R₆ signifies linear or branched C₁-C₁₈alkyl; C₃-C₁₈alkenyl; C₃-C₈cycloalkyl; C₆-C₁₀aryl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; C₇-C₈aralkyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; or C₈-C₁₂aralkenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy.

6. A cosmetic formulation according to any of the preceding claims, wherein

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R_3 and R_4 have the meaning as defined above as in Claim 1.

5

7. A cosmetic formulation according to Claim 6 wherein

R_3 and R_4 independently from each other signify hydrogen; cyano; halogen; CF_3 ; SR_5 ; SOR_5 ; SO_2R_5 ; $SO_2NR_5R_6$; NR_5R_6 ; $COOR_5$; $CONR_5R_6$; $OCOR_5$; linear or branched C_1-C_{18} alkyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; linear or branched C_0-C_{24} alkylene C_3-C_8 cycloalkyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; linear or branched C_3-C_{24} alkenylene C_3-C_8 cycloalkyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; linear or branched C_3-C_{24} alkenyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; linear or branched C_0-C_{24} alkylene C_3-C_8 cycloalkenyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; linear or branched C_3-C_{24} alkenylene- C_3-C_8 cycloalkenyl, which can be unsubstituted or substituted by one or more OR_5 , SR_5 , NR_5R_6 or $COOR_5$; phenyl, which can be unsubstituted or substituted by one or more methyl, methoxy or cyano; or linear or branched C_1-C_{18} alkoxy, which can be unsubstituted or substituted by one or more halogen, OH, OR_5 , SR_5 , NH_2 , NR_5R_6 , $COOR_5$, $CONR_5R_6$ or $OCOR_5$,

wherein

10

R_5 signifies hydrogen; linear or branched C_1-C_{18} alkyl; C_3-C_{18} alkenyl; C_3-C_8 cycloalkyl; C_6-C_{10} aryl, which can be unsubstituted or substituted by one or more C_1-C_6 alkyl, C_5-C_6 cycloalkyl or C_1-C_6 alkoxy; C_7-C_8 aralkyl, which can be unsubstituted or substituted by one or more C_1-C_6 alkyl, C_5-C_6 cycloalkyl or C_1-C_6 alkoxy; or C_8-

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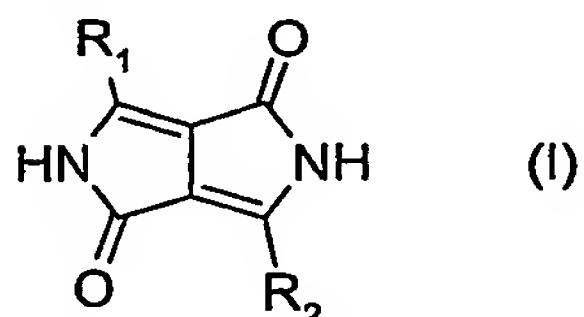
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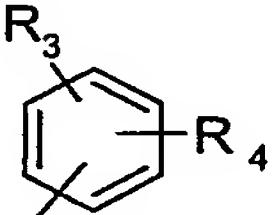
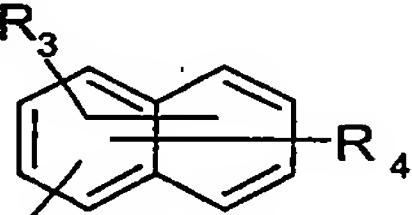
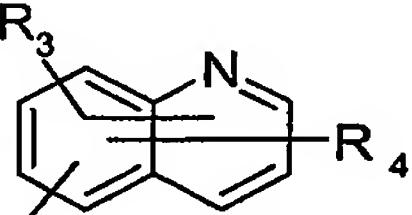
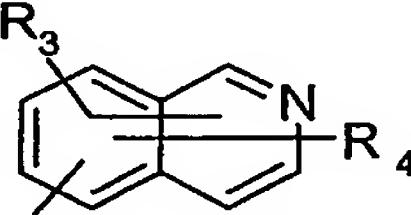
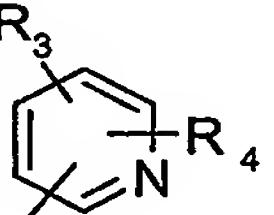
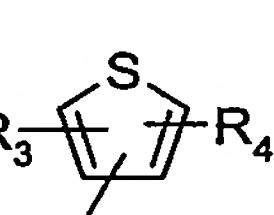
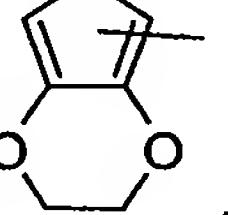
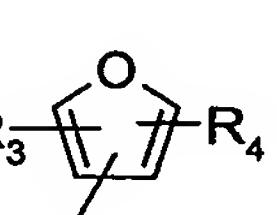
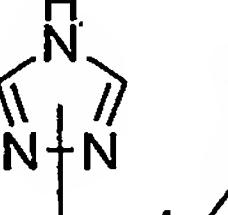
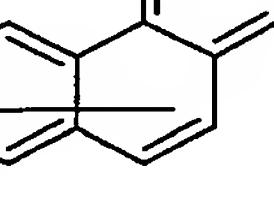
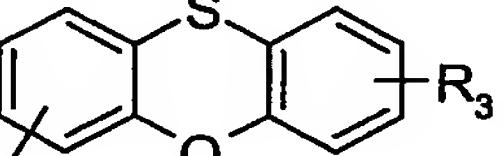
C_{12} aralkenyl, which can be unsubstituted or substituted by one or more C_1-C_6 alkyl, C_5-C_6 cycloalkyl or C_1-C_6 alkoxy,

- R_6 signifies linear or branched C₁-C₁₈alkyl; C₃-C₁₈alkenyl; C₃-C₈cycloalkyl; C₆-C₁₀aryl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; C₇-C₈aralkyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy; or C₈-C₁₂aralkenyl, which can be unsubstituted or substituted by one or more C₁-C₆alkyl, C₅-C₆cycloalkyl or C₁-C₆alkoxy.

- 10 8. A cosmetic formulation according to any one of Claims 1 – 3 comprising at least one
pigment of formula (I)

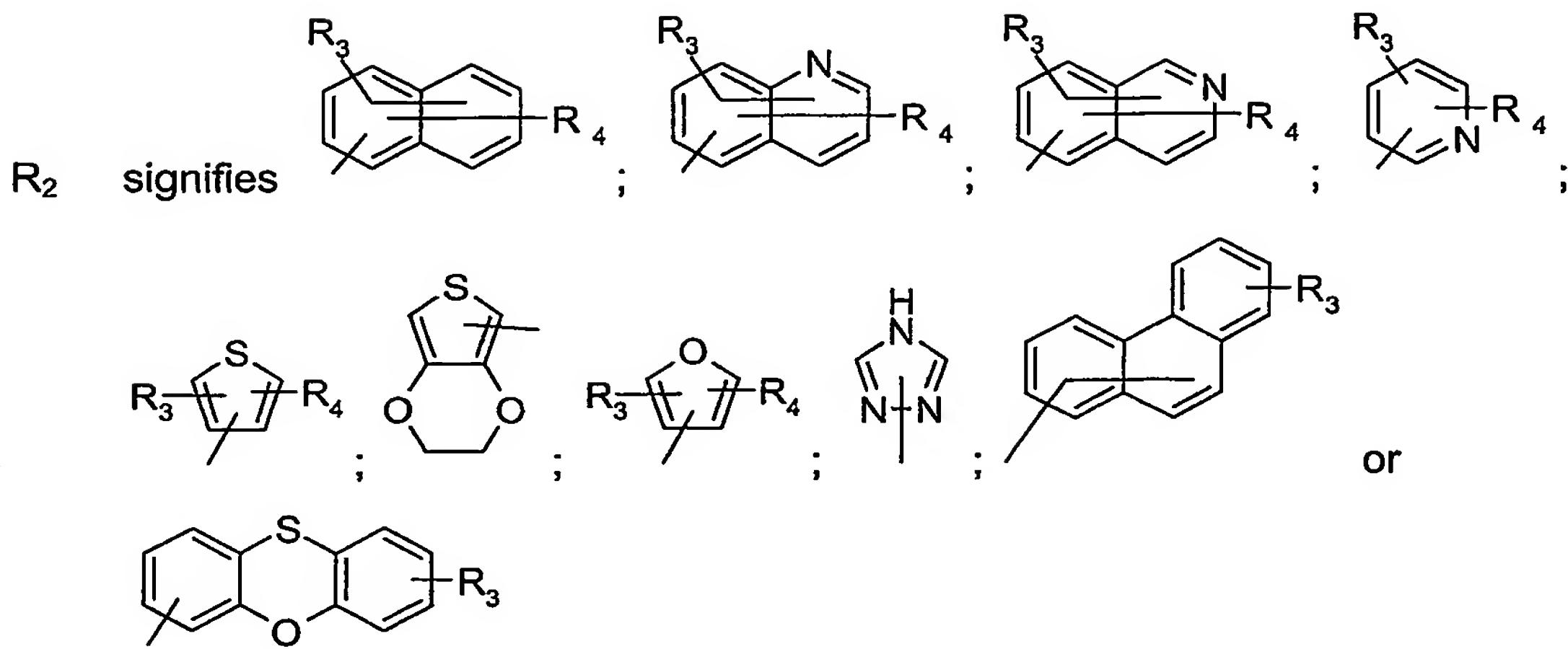


wherein

- R_1 signifies ;  ;  ;  ;  ;
 ;  ;  ;  ;  ; 
 or


R_3 and R_4 independently from each other signify hydrogen; cyano; halogen; $\text{SO}_2\text{N}(\text{C}_6\text{-C}_4\text{alkyl})_2$; linear or branched $\text{C}_1\text{-C}_6\text{alkyl}$; linear or branched $\text{C}_1\text{-C}_6\text{alkoxy}$; $\text{N}(\text{C}_1\text{-C}_4\text{alkyl})_2$; $\text{COOC}_1\text{-C}_4\text{alkyl}$; or phenyl, and

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wherein

- 5 R_3 and R_4 independently from each other signify hydrogen; cyano; halogen; $\text{SO}_2\text{N}(\text{C}_6\text{-C}_4\text{alkyl})_2$; linear or branched $\text{C}_1\text{-C}_6\text{alkyl}$; linear or branched $\text{C}_1\text{-C}_6\text{alkoxy}$; $\text{N}(\text{C}_1\text{-C}_4\text{alkyl})_2$; $\text{COOC}_1\text{-C}_4\text{alkyl}$; or phenyl.
9. A cosmetic formulation according to any of Claims 1 – 8 comprising
10 a) from 0.0001 to 50 % by weight, preferably from 0.0001 to 25 % by weight, based on the total weight of the preparation, of at least one pigment of formula (I), and
b) from 50 to 99.9999 % by weight, preferably from 75 to 99.9999 % by weight, based on the total weight of the preparation, of a cosmetically suitable carrier.
- 15 10. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of a stick comprising up to 99.9999 % by weight of fatty components.
11. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of an anhydrous or aqueous ointment or cream.
- 20 12. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of a water-in-oil emulsion or in the form of an oil-in-water emulsion comprising from 1 to 98.8 % by weight of the fatty phase, from 1 to 98.8 % by weight of the aqueous phase and from 0.2 to 30 % by weight of an emulsifier, in each case based on the total weight.

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13. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of a powder and comprises an inorganic or organic filler, such as talc, zinc stearate, mica, kaolin, nylon powders, polyethylene powders, Teflon, starch, boron nitride, microspheres of copolymers, such as Expancel, Polytrap, silicone resin
5 microbeads, polyethylene powder or polyamide powder, as well as adjuvants, such as binders or colourants.
14. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of a nail varnish and comprises from 0.1 to 5 % by weight of the pigment in a
10 varnish base.
15. A cosmetic preparation or formulation according to any one of claims 1 to 9, which is in the form of a shampoo, a cream or a gel for colouring the hair that is composed of the basic substances conventionally employed in the cosmetics industry.
16. A cosmetic preparation or formulation according to any one of claims 1 to 15, which additionally comprises conventional cosmetic constituents, such as perfumes, antioxidants, preservatives and UV filters.